Intercontinental Terminals Company (ITC) Fire Update
Deer Park, Texas
April 22, 2019 0000 – April 22, 2019 1159

Incident Management Objectives:

Objective 1: Ensure the health and safety of the public and response personnel.

Objective 2: Establish an incident management structure and processes employing the Incident Command System to enable effective overall management of the event with deployment of resources (staff and equipment) in a rapid, focused and well-coordinated manner.

Objective 3: Encourage a collaborative federalism approach, where Federal, State, Tribal, and local governments interact cooperatively and collectively to solve common problems.

Objective 4: Take actions to assess the on-site and off-site impacts during the emergency response phase of this incident. Provide this information to state and local authorities to assist them in their decision to protect the local citizens.

Objective 5: Conduct activities to prevent off-site releases from the ITC Tank Farm.

Objective 6: Respond to, mitigate and recovery off-site releases from the ITC Tank Farm.

Objective 7: Maintain open communication with Regional management

Incident Overview:

On March 17, 2019, an above ground storage tank containing Naphtha, caught fire at the Intercontinental Terminal Company (ITC), LLC facility in Deer Park Texas. The ITC facility consists of 15 80,000-barrel capacity above ground storage tanks containing petroleum products including Naphtha, Xylene, Toluene, Gasoline Blendstock, and Base Oil. Eleven of the 15 80,000-barrel capacity above ground storage tanks on site were involved in the fire, resulting in the release of contaminants into the atmosphere, as well discharging the contents of the tanks to drainage pathways. Firefighting water and foam potentially containing petroleum products were released from an outfall due to accumulation of water from firefighting efforts. Various firefighting organizations assisted in putting out the fire utilizing a variety of firefighting foams.

A partial breach of the tank farm containment wall on the northeast side near Tank 80-7 occurred at approximately 12:00 pm on March 22, 2019, to the ditched area and into Tucker Bayou. Additional boom was placed along the ditch leading to Tucker Bayou and Buffalo Bayou (Houston Ship Channel). The Responsible Party's contractor has rebuilt the containment wall using clay material.

At approximately 3:40 pm on March 22, 2019, three tanks reignited. The fire spread from the containment area through the breached containment wall into the ditch along Tidal Road. Foam was applied to the tanks and the ditch to extinguish the fire.

As a result of the fire, nine of the fifteen oil tanks had been burned and collapsed. One of the tanks had been burned and damaged, but not completely collapsed. Two tanks had become overheated and smoked but were not significantly damaged. Four of the tanks had smoked but did not burn.

During and after the fire and the breach of the secondary containment, several readings of benzene above 1.0 parts per million (ppm) were detected (highest was 16.5 near National Tank Services) by the various entities conducting air monitoring through the afternoon and night. These readings were located along the ship channel.

A vessel decontamination plan was approved on March 27, 2019. The plan established procedures for decontamination of large and small vessels. Also, the plan describes how the decontamination team will utilize resources that include barge boats equipped with a hot water pressure washer, support boats for assessment team members, containment boom and absorbent sweep, rags, absorbent pads, cleaning agents, personal protective equipment (PPE), boat operators, and technicians.

On March 31, 2019, EPA and the Texas Commission on Environmental Quality (TCEQ) posted the Story Map Resource Interactive tool for the ITC incident. The Story Map provides easy access for ITC fire data.

Executive Overview:

- In preparation to discharge treated incident-related wastewater from Tank 80-34, ITC is securing laboratories to analyze their effluent samples as required in the April 17, 2019 EPA authorization.
- ITC sent a memo on the afternoon of April 22, 2019 discussing the mechanical disassembly of tanks 80-14, 80-15, 80-13, 80-10 and 80-7, in that order. These are the tanks with remaining sludge/product that may have releases of benzene. The estimated timeframe for disassembly is 5 days per tank. The plan is being finalized and will be presented to Unified Command.

Land Operations:

- On April 22, 2019, ITC conducted operations at the tank farm:

Tank Status	Tank No.
Complete & Clean – No further action (NFA) needed	80-1, 80-4, 80-9, 80-11, 80-12, 80-13
Complete – NFA possible until demo	80-2, 80-3, 80-5, 80-6, 80-7, 80,14 80-15
Cleaning and Degassing	80-8, 80-10

Water Operations:

- EPA conducted surface water sampling on April 22, 2019 at 8 sample locations. The surface water samples were collected along Buffalo Bayou and the San Jacinto River and will be analyzed for per- and polyfluoroakyl substances (PFAS), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), chemical oxygen demand (COD), and oil & grease. The results from the sampling event will be compared

to the TCEQ Surface Water Quality Standards (WQS), or to TCEQ Texas Risk Reduction Program surface water protective concentration levels (PCLs), if a WQS is not available for a chemical. No exceedances have been observed since April 2, 2019.

- The USCG evaluated the docks at San Jacinto Port using a water/oil interface probe on April 22, 2019. Upon inspection only a sheen was visible, however, as the team was finishing a vessel came into the docks creating some wave action which displaced product from under the docks. Teams applied absorbent and hard boom to the area. Inspections will continue daily.
- On April 22, 2019, ITC continued material recovery with vacuum trucks behind and within the caisson (water tight retaining structures) at Bostco Docks.
- The USCG Captain of the Port opened the remaining portion of Old River on April 22, 2019.
- The table shows the proportion of shoreline in each division that meets end points or requires no further treatment according to SCAT.

Division	**Percentage of Total Length Approved by UC**
A	92.7%
B	9.6%
C	12.7%
D	49.9%
South & East of D	100.0%
Total	**53.4%**

- As of April 22, 2019:
  - 160,840 feet of boom deployed
  - 144,244 bbl of product/water recovered from water operations
  - 240,767 bbl of product/water recovered from tank farm

Total Vessels as of April 22, 2019				
Work Boats	Barges	Small Capacity Skimming Vessels	Skimmers	Total Vessels
95	101	23	70	**289**

Community Air Monitoring:

- Several entities including TCEQ, EPA, and ITC continue to conduct air monitoring around the tank farm, in adjoining industrial areas, and communities downwind from the facility.
- EPA conducted handheld air monitoring on April 22, 2019 from 00:00 to 23:59 at 94 locations in the surrounding communities. Results were reported below the detection limit at all locations for total volatile organic compounds (VOCs). EPA will continue to conduct additional air monitoring and deploy the Trace Atmospheric Gas Analyzer (TAGA) if VOCs are detected.
- EPA conducted air sampling using the Trace Atmospheric Gas Analyzer (TAGA) on April 22, 2019. The TAGA analyzed the air samples for benzene, toluene and xylene and found no detections. The TAGA air sampling results were compared to the TCEQ short-term AMCVs and found no exceedances of the short-term AMCVs. These results have been shared with unified command and local officials.

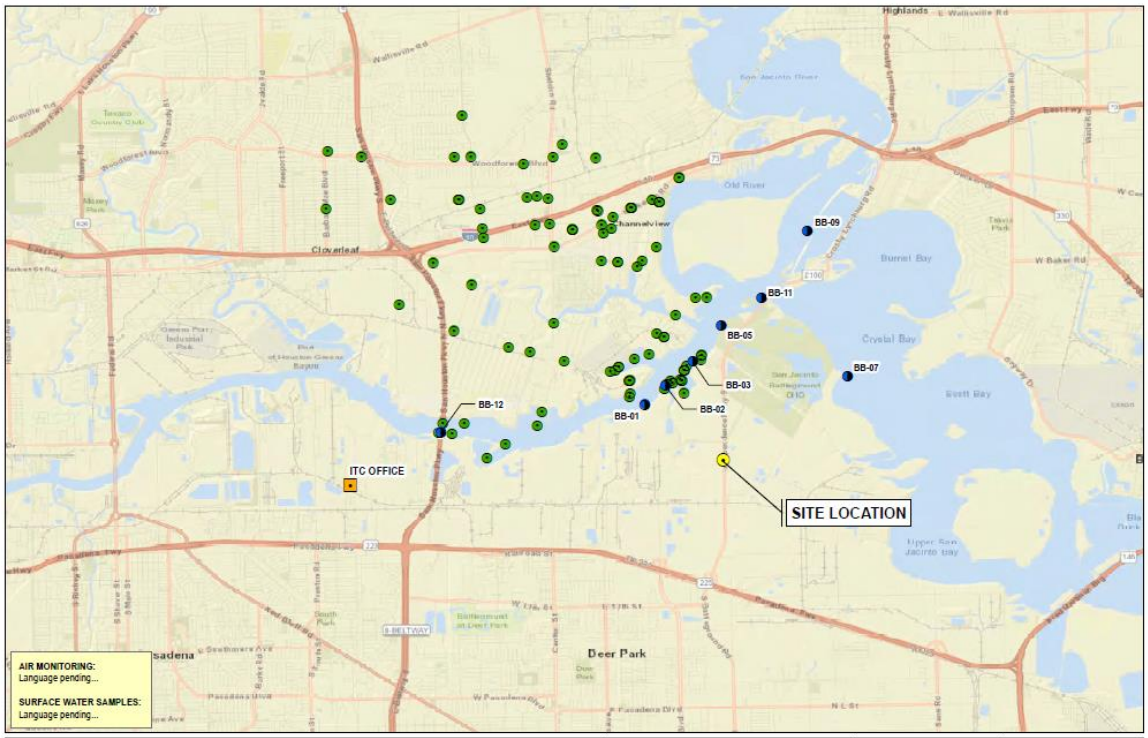
Coordination with State Agencies:

On March 17, 2019, in response to a tank fire at the ITC, federal, state and local agencies joined ITC in a Unified Command. Multiple agencies including the United States Coast Guard, the TCEQ, and Harris County Pollution Control Services supported the response effort.

EPA Resources:

Personnel	EPA R6 Dallas	ITC Deer Park	Total
EPA Region 6	5	3	**8**
EPA Non-Region 6	0	2	**2**
START	1	16	**17**
Other Contractors	0	8	**8**
Total	**6**	**28**	**34**

Additional Information: Air Monitoring and Water Sampling locations



Legend

- ITC OFFICE LOCATION
- SITE LOCATION
- WATER SAMPLE LOCATION

AIR MONITORING LOCATION

- NON DETECTION

AIR MONITORING MAP
INTERCONTINENTAL TERMINALS COMPANY FIRE
1943 INDEPENDENCE PARKWAY
LA PORTE, HARRIS COUNTY, TEXAS

REPORTING PERIOD #46
4/22/2019 00:00 - 4/22/2019 23:59

0 0.75 1.5
SCALE IN MILES

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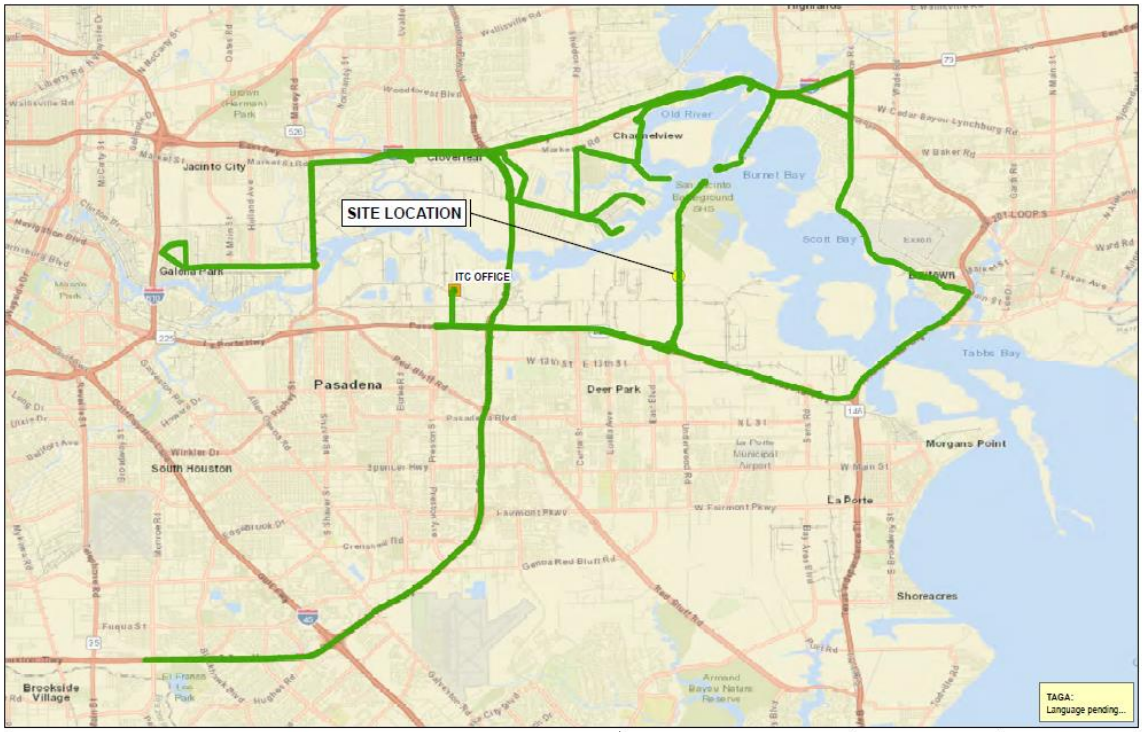

Substance	CAS #	Short-term AMCV Health (ppb)
benzene	71-43-2	180
m/p-xylene	179601-23-1	1700
o-xylene	95-47-6	1700
toluene	108-88-3	4000

Legend

- ITC OFFICE LOCATION
- SITE LOCATION
- RESULTS BELOW AMCVs

TAGA MONITORING MAP
INTERCONTINENTAL TERMINALS COMPANY FIRE
1943 INDEPENDENCE PARKWAY
LA PORTE, HARRIS COUNTY, TEXAS

REPORTING PERIOD #46
4/22/2019 00:00 - 4/22/2019 23:59

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SCALE IN MILES

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